

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090822\
 Data File : VN074361.D
 Acq On : 08 Sep 2022 16:39
 Operator : JC\MD
 Sample : VN0908WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0908WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/09/2022
 Supervised By : Mahesh Dadoda 09/09/2022

Quant Time: Sep 09 05:37:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090822W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 09 05:24:20 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	7.586	128	57941	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.904	114	348303	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.686	117	326310	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.369	65	195405	32.847	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 109.500%			
60) 4-Bromofluorobenzene	12.674	95	191799	29.392	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 97.967%			
63) Toluene-d8	10.380	98	555533	30.310	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.033%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	83961	20.471	ug/l	94
3) Chloromethane	2.269	50	116396	20.592	ug/l	91
4) Vinyl Chloride	2.404	62	129549	21.431	ug/l	98
5) Bromomethane	2.793	94	95956	25.749	ug/l	96
6) Chloroethane	2.957	64	93955	22.927	ug/l	95
7) Trichlorofluoromethane	3.316	101	144105	21.073	ug/l	99
8) Diethyl Ether	3.763	74	65603	23.013	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.134	101	83375	20.839	ug/l	71
10) 1,1-Dichloroethene	4.110	96	81897	21.206	ug/l	97
11) Methyl Iodide	4.346	142	102016	21.514	ug/l	92
12) Methyl Acetate	4.769	43	177094	21.102	ug/l	96
13) Acrolein	3.981	56	124470	109.947	ug/l	94
14) Acrylonitrile	5.475	53	360380	110.791	ug/l	99
15) Acetone	4.222	58	96971	112.499	ug/l	95
16) Carbon Disulfide	4.457	76	222332	20.089	ug/l #	95
17) Allyl chloride	4.757	41	179888	21.570	ug/l	91
18) Methylene Chloride	5.010	84	103225	20.998	ug/l #	83
19) trans-1,2-Dichloroethene	5.504	96	89388m	20.243	ug/l	
20) Diisopropyl ether	6.404	45	366872	21.363	ug/l	94
21) 1,1-Dichloroethane	6.298	63	189060	20.959	ug/l	97
22) cis-1,2-Dichloroethene	7.245	96	113747	21.195	ug/l	96
23) tert-Butyl Alcohol	5.281	59	166640	118.310	ug/l #	100
24) Methyl tert-Butyl Ether	5.528	73	349558	21.513	ug/l	100
25) Chloroform	7.745	83	189135	20.638	ug/l	89
26) Cyclohexane	8.022	56	170857	20.634	ug/l	92
29) 1,1-Dichloropropene	8.151	75	136894	19.772	ug/l	97
30) 2-Butanone	7.257	43	548365	111.839	ug/l	93
31) 2,2-Dichloropropane	7.245	77	159245	18.797	ug/l	100
32) 1,1,1-Trichloroethane	7.939	97	170660	19.995	ug/l	96
33) Carbon Tetrachloride	8.133	117	141499	19.159	ug/l	99
34) Benzene	8.386	78	436336	20.498	ug/l #	94
35) Methacrylonitrile	7.563	41	96138m	21.339	ug/l	
36) 1,2-Dichloroethane	8.463	62	158807	20.391	ug/l	95
37) Trichloroethene	9.145	130	94919	19.403	ug/l	93
38) Methylcyclohexane	9.398	83	170797	19.596	ug/l	93
39) 1,2-Dichloropropane	9.428	63	118205	21.563	ug/l	97
40) Dibromomethane	9.516	93	81808	21.449	ug/l	93
41) Bromodichloromethane	9.698	83	153260	20.222	ug/l	94
42) Vinyl Acetate	6.345	43	1738191	107.407	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090822\
 Data File : VN074361.D
 Acq On : 08 Sep 2022 16:39
 Operator : JC\MD
 Sample : VN0908WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0908WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/09/2022
 Supervised By : Mahesh Dadoda 09/09/2022

Quant Time: Sep 09 05:37:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090822W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 09 05:24:20 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.334	43	213165m	21.909	ug/l	
44) Isopropyl Acetate	8.492	43	331041	21.407	ug/l	96
45) 1,4-Dioxane	9.498	88	60773	424.585	ug/l	87
46) Methyl methacrylate	9.498	41	148036	22.384	ug/l	89
47) n-amyl Acetate	12.333	43	295454	21.022	ug/l	96
48) t-1,3-Dichloropropene	10.657	75	175654	19.842	ug/l	98
49) cis-1,3-Dichloropropene	10.127	75	180718	20.003	ug/l	97
50) 1,1,2-Trichloroethane	10.839	97	110796	20.533	ug/l	95
51) Ethyl methacrylate	10.704	69	195571	20.371	ug/l	92
52) 1,3-Dichloropropane	10.986	76	199248	21.291	ug/l	97
53) Dibromochloromethane	11.180	129	114850	19.795	ug/l	99
54) 1,2-Dibromoethane	11.286	107	116156	20.536	ug/l	98
55) 2-Chloroethyl vinyl ether	9.980	63	491940	106.676	ug/l	97
56) Bromoform	12.398	173	79405	17.965	ug/l #	96
58) 4-Methyl-2-Pentanone	10.269	43	1113173	109.750	ug/l	96
59) 2-Hexanone	11.027	43	869871	110.076	ug/l	97
61) Tetrachloroethene	10.916	164	75026	18.532	ug/l	96
62) Toluene	10.445	91	474696	20.121	ug/l	99
64) Chlorobenzene	11.710	112	268837	19.256	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.780	131	105440	19.941	ug/l	99
66) Ethyl Benzene	11.786	91	520828	19.960	ug/l	99
67) m/p-Xylenes	11.892	106	393560	39.558	ug/l	98
68) o-Xylene	12.221	106	199856	19.682	ug/l	99
69) Styrene	12.233	104	321825	19.161	ug/l	98
70) Isopropylbenzene	12.521	105	513629	19.478	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.768	83	197913	21.522	ug/l	96
72) 1,2,3-Trichloropropane	12.821	75	149060m	19.736	ug/l	
73) Bromobenzene	12.804	156	108915	19.043	ug/l	82
74) n-propylbenzene	12.863	91	589870	19.246	ug/l	97
75) 2-Chlorotoluene	12.951	91	357926	19.569	ug/l	96
76) 1,3,5-Trimethylbenzene	13.004	105	421167	18.994	ug/l	97
77) t-1,4-Dichloro-2-butene	12.568	75	66492	19.909	ug/l	94
78) 4-Chlorotoluene	13.045	91	350324	19.460	ug/l	95
79) tert-butylbenzene	13.263	119	373456	18.943	ug/l	99
80) 1,2,4-Trimethylbenzene	13.310	105	428186m	19.183	ug/l	
81) sec-Butylbenzene	13.445	105	519195	18.883	ug/l	99
82) p-Isopropyltoluene	13.557	119	422512	18.589	ug/l	99
83) 1,3-Dichlorobenzene	13.557	146	202829	18.856	ug/l	99
84) 1,4-Dichlorobenzene	13.639	146	195220	18.321	ug/l	96
85) n-Butylbenzene	13.886	91	363545	18.226	ug/l	99
86) Hexachloroethane	14.151	117	84784	19.102	ug/l	96
87) 1,2-Dichlorobenzene	13.927	146	211005	18.972	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.545	75	47234	20.973	ug/l	94
89) 1,2,4-Trichlorobenzene	15.198	180	106832	18.373	ug/l	98
90) Hexachlorobutadiene	15.309	225	46592	18.775	ug/l	99
91) Naphthalene	15.439	128	457446	19.625	ug/l	100
92) 1,2,3-Trichlorobenzene	15.633	180	109449	18.540	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

